

Inhalation apparatus.

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-  FR2264968
-  US4243893
-  FR2280235
-  DE3335745
-  FR2440742

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Abstract of EP0265545

The invention relates to an inhalation apparatus with a compressed air generator (9), an electromotor (10), which drives the latter and supports a fan wheel (11), and a housing (1) surrounding these. The housing (1) is made up of a housing top part (2), a housing bottom part (3) and a front plate (4) inserted between these. Provided on the rear side (12) are air inlet slots (13, 14) through which cool air is drawn in by the fan wheel (11) into the inside of the housing (1). An angled front plate portion (17) of the front plate (4) and a correspondingly angled front portion (18) of the housing top part (2) together form an air outlet channel (19), whose outlet gap (20) is directed obliquely downwards. Provided in the housing bottom part (3), in the front portion of the housing base (15), are air outlet slots (21), which likewise are directed obliquely forwards. A cross-piece (22) on the housing base (15) prevents a return flow of expelled cool air. All the cool air, conveyed through the inside of the apparatus, flows in an upper and a lower partial current past the compressed air generator (9) and the electromotor (10) and is expelled obliquely downwards in the area of the front side (16). The position and especially the design of the air outlet channel (19) and of the air outlet slots (21) result in a considerable reduction in the operating noises of the compressed air generator (9) and the electromotor (10) escaping from the housing (1), without the stream of cool air being significantly impeded. The cool air expelled in the area of the front side (16) is kept away from the patient. In addition, the front side (16) of the inhalation apparatus according to the invention remains free from soiling.

Fig.2

